

BCA-17

December - Examination 2018

BCA Pt. III Examination**Web Technology****Paper - BCA-17****Time : 3 Hours]****[Max. Marks :- 100**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A**10 × 2 = 20**

(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 word. Each question carries 2 marks.

- 1) (i) Name two benefits of XML.
- (ii) What are the basic rules to Write XML document?
- (iii) What is a well formed XML document?
- (iv) What is the difference between CDATA and PCDATA?
- (v) What is XSLT?
- (vi) What is XML data binding?
- (vii) Explain the use of CSS.
- (viii) Is XML meant to be a replacement of HTML?

- (ix) Describe XML DOM.
- (x) Define element and attribute in an XML document.

Section - B**4 × 10 = 40**

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) What is complex element in XML? How it differs from simple element?
- 3) What are namespaces? Why are they important?
- 4) What is difference between XML and HTML?
- 5) What is XML editor? Why XML editor is needed instead of Notepad?
- 6) What do you understand by Application Programming Interface (API's)? What are the different XML API's?
- 7) What is the difference between SAX parser and DOM parser?
- 8) List out various Node-set functions provided by X-path.
- 9) What is an XML Schema? What is XML Schema Used For?

Section - C**2 × 20 = 40**

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

- 10) What is the importance of XSLT for XML? Explain the relation between XSLT, XPath and XQuery with an example.
 - 11) What do you mean by well-formed XML document? What are the parsing techniques of XML? Discuss about them.
 - 12) Write short note on any four:
 - (i) XPath
 - (ii) XML DOM
 - (iii) XML DTD
 - (iv) SAX
 - (v) X Forms
 - 13) What is DTD? How is it useful for validating XML? Explain with suitable example.
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